Sequence 43 Apply Sequence 43 Apply Sequence 41 Apply Sequence 42 Apply Sequence 42 Apply Sequence 44 Apply Sequence 44

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| FILE              | FILE REFERENCE:  |
| CONRUE            | CORRENT APPLICATI  |
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|                   | RESULT : 0.000   0.000 |

ALIGNMENTS

Fred No. is the number of results producted by chance to have a score greater than or equal to the score of the result being printed, and is delived by analysis of the local score distribution.

SUMMARIES

| Gescription                   | Sequence 4. Appl: |                  | Sequence 72 App. | r)              | G                 | Semience 10. Apr. | ç.               | Sequence 10, April |                  | Sequence 3, April | Seguence 2. Apr. 1 | ri              | <i>.</i> .•      | Sequence 43, App. | 4,               |
|-------------------------------|-------------------|------------------|------------------|-----------------|-------------------|-------------------|------------------|--------------------|------------------|-------------------|--------------------|-----------------|------------------|-------------------|------------------|
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| 91                            | US-09-872-852-4   | US-09-917-346-52 | US 39-917-34C-72 | US-09-872-852-2 | US-10 091-166B-10 | US-10-272-121:10  | US-10-409-366-10 | US-10-409-532-10   | US-10-091-166B-2 | 08-10-272-121-2   | US 10-409-366-2    | 33-10-409-532-2 | 115-09-372-852-3 | 13-10-091-1663-43 | US-10-272-121-43 |
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| †<br>Queny<br>Match Length DB | 5                 | 6.3              | 6.3              | 67              | 6.3               | 67                | 1.5              | į,                 | Ġ.               | 65                | 65                 | 6.5             | 4.7              | 4.5               | 4.5              |
| Ouery<br>March                | 0 00              | 0.001            | 0.001            | 0.00            | 00.00             | 3.001             | 00.00            | 0.00               | 6.3              | 96.3              | 6.36               | ე. 96           | 52.C             | 9.58              | 85.6             |
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| Result<br>No.                 | , ,               | N                | ۳.               | 4               | S                 | ø                 | 1~               | er.                | φ,               | o:                | ::                 | :2              | 6.1              |                   | 15               |

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RESULT 2 US-19-917 341-52

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APPLICANT: MCCRAV UN, PAUL B.
APPLICANT: TACK, BRINK
APPLICANT: TACK, BRINK
APPLICANT: TACK, BRINK
APPLICANT: TACK, BRINK
TILLE OF INVENTION: BETA-DEPENSIN-3 (HBD-3), A HIGHLY CATIONIC
TILLE OF INVENTION: BETA-DEPENSIN ANTIMICROBIAL PEPTIDE
CURRENT TAPLICATION NOVERS: US,039/072,052
CURRENT TAPLICATION NOVERS: 05.00
CHRENT TALING DATE: 2010.06.01
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CTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-972-862-972
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SQUARCO 10, APDICATION US/10011646

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CRGANISM: Artificial Sequence
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US-10-091-1668-10
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ORGANISM: B-
10-091-1
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Matches 45; Conservative (: Misnatches 45; Conservative (: 
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SEQUENCE 3. NEADLY UN'ON THE OPEN U. APPLICATI NEIGH ACANILY, JONATHAN F.
APPLICATI Reid, Ted M. TILE DE INVENTION: Transplant Media
FILE REFERENCE: FLAMT-6646
CURRENT APPLICATION NUMBER: 15(29)311,340
CURRENT APPLICATION NUMBER: 15(21)632
PRIOR APPLICATION NUMBER: 65(24)632
PRIOR APPLICATION NUMBER: 65(24)632
PRIOR APPLICATION NUMBER: 65(24)632
PRIOR FILING OFFE: 2001-05-15
PRIOR FILING OFFE: 2001-05-15
PRIOR FILING OFFE: 2001-05-15
NUMBER OF SECIENCE: 301-05-15
SECIENCE: PARENTIN VET: 2.3
Sequence 52. Application US/0901343
Patent No. USSO200906931
GREAL INCORATION
APPLICANT WITHOUT STREEGHER C.
APPLICANT MACHINIC JORNALA F.
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US-05-872-852-2
Sequence 2, Application US/09812852
Fatent No. US2002C136C2Al
FUBERAL INFORMATION:
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TYPE: PRT
CRGANISM: Homo sapiens
US-09-917-340-72
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CRGANISM: Homo sapiens
US-09-917-346-52
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Query Match (5) (20.0): Score 250; DB 12; Length 67; Best Local Similarity (20.0): Pred No. 1e-21; Length 67; Matches 45; Conservative (; Mismatches 0; Indels 0; Gaps
Ouery Match
10.01s; Sector 250; DB 10; Length 67;
BHET Local Similarity 10.03s; Pref. No. 1e-23;
BHET Local Confervative 7; Mismatches 3; Indets C;
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C: Gaps
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                                 Best Lonal Similarity 100.0%; Prad. No. 1e-23;
Matches 45: Conservative 6: Mismarches 0; Indels
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1 GIINTLOKYYCHVRGSGAVISCUPREEQIOKGSTRORKOCRRKK 67
2 GIINTLOKYYCHVRGSGAVISCUPREEQIOKGSTRORKOCRRKK 67
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URRENT FILTHON OATE, 024-03-166
URBENT FILTHON OATE, 024-03-166
URBENT FILTHON OATE, 034-03-16
URBENT FILTHON UNTER US 07/04-10
URBENT FILTHON UNTER US 07/04-10
URBENT FILTHON UNTER US 04/04-10
URBENT FILTHON UNTER US 04/04-10
URBENT FILTHON UNTER US 04/04-10
URBENT FILTHON UNTER US 04/04/104
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REQUIRED TO APPLICATION NO. 16220301669134.
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL GENERAL APPLICATION NO. 10 Part of the Carlon of
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Sequence 1. Application US/1031166B
Sequence 1. Application US/1031166B
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CRGANISM: Home sapiens
US-10-409-532-10
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Sequence 10, Application US/10409366
Publication No. US20393:66912A1
GENERAL INFORMATION:
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TYPE: PRT
CRGANISM: Homo sapiene
IS-10-409-366-10
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: CRGANISM: Homo sapiens
US-10-272-121-10
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23 GINTLCKYYGKYGGROAVLSCLPKEBOJGKGSTRGRKCGRR 65
23 GINTLCKYYGKYGGROAVLSCLPKEBOJGKGSTRGRKCGRR 65
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Sequence 2, Application UNITOGOS3
Sequence 2, Application UNITOGOS3
September 3, Application UNITOGOS3
PUBLICANION NO UNITOGOS3
APPLICANION ACTOR CONTROL
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APPLICA
PRIOR FILING DATE: 2003-38-10
PRIOR AFPLICATION NAMES 67/55.335
PRIOR FILING DATE: 1997-10-05
PRIOR FILING DATE: 1997-10-05
PRIOR PRIOR WINNERS 66/64.294
PRIOR FILING DATE: 1997-11-05
PRIOR PRIOR DATE: 1997-11-05
PRIOR PRIOR DATE: 1996-39-10
PRIOR FILING DATE: 2005-38-10
RUMMER OF SEC 12 NOS: 72
SCOTHWAR: FASC 22 NOS: 72
SECTIMAR: PASC 22 NOS: 72
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C.O.9-87-962-3
Sequence 3. Application US/09872852
Patent Mo. US2020115602A1
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APPLICANT: MCCRAY JR, PAUL B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 65
TYPE: PRT
CRGANIEM: Honu sapiens
US 10-409-366-2
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TILE OF TAWARTION: HUMAN BETA-LEFENSIN ANTIMICROFIAL PEFTICE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query March 92.01; Score 230; DB 13; Length 41; Best Cotal Similarity 100.01; Pred. No. 1.8er21; Marches 41; Conservative 7; Marches 61; Indeis
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29.24, Score 71, CB 2; Sergin 64;
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AVTELO FERIII Catton, Delasty Structures, and antibacterial artivities of hela-defension
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And Ciscarias and 1725, Wulbi-Tootanine, a basic toxin isolated from the venom of Aracesson AC1755
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Prest Loral Similarity 75.1% Prest No. 0.35; 
Marche 13: Conservative 5: Minnarches 16, Indely Marches 13: Conservative 5: Minnarches 16, Indely
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Species: Crotalus durissus terrificus (tropical rattlesnake, cascabe)
Cjoare: 14-Derigge 18-04
Crocession: Albat
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Best Docal Similarity 36.1% Pred. NO. 6.23; NO. 6.23; Matches 35; Conservative 5; Marshatches 55; Indels 3; Saps
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Best Lobel Similatity 37.8%; Fred. 30. 6.25; indels 5; Sips
Marches 14, Conservative 5; Mystatches 13; indels 5; Sips
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Toxicon 28, 575-545, 1990
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A)Residues: 1-65 «SMI» C;Superfamily: crotamine

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Copyright (c) 1993 - 2003 Compugen Ltd.
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TISSUES AND INTERLINE.
MEDIAL MICHENIE.
TATVER A. F. CTARK D. DIAMOND G., RUSSELL J.P., CANDER D.E., SWOCKEY R.W., WINDER M. HARMS. BEYING L. CCHEN K.S., Johns D.E., Swockey R.W., Winger W.H. HARMS. BEYING C.L., CCHEN K.S., Johns D.E., Swockey R.W., Winger W.H. Interline Coloning and Characterization of a gene with inducible interline interline. The Coloning associated Will Opposition to parvow interline.
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INUCTION BY INFECTION OF ADALTSHIA AND RY INTERFERON GAMMS.
INUCTION BY INFECTION OF ADALTSHIA AND RY INTERFERON GAMMS.
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STRAIN-MORGARD, TISSUE-Noutrophils,
STRAIN-MORGAR, PUBMER-BRISARS,
STRAIN-MORGAR, PUBMER-BRISARS,
STRIB M. H. MORGARD M. H. MORGARD M. MORGARD,
STRIB M. H. MORGARD M. H. OLLIOS T. S.
"Purnitanton, primary directores, and antibacterial activities of beta defension, a new family of antimicrobial peptides from betaine
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11.NOV.1995 [Rel. 32, Greated)
0.FBB-1996 [Rel. 33, Lat sequence update;
0.FBB-1996 [Rel. 31, Lat succession update;
0.FBB-1996 [Rel. 41, Lat succession update;
0.FBB-1996 [Rel. 41, Lat succession update;
0.FBB-1997 [Rel. 41, Lat succession update;
0.FBB-1996 [Rel. 41, Lat suc
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67 AA, 7897 MW, 942662E19074865 CRC64,
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3. Caps

us-09-872-852-4.rsp

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SECTEMBERS, FRANKE, WELLANDERS C. Blecha F.; WELLINE SES C. Blecha F.; A. C. M. H.; Sh. Land C.; Ganz C.; Ross C.; Blecha F.; C. M. H.; Sh. Ling and T.; She expression of porcine beca-detensin-1."; PER Cecliar of Antiquand Taskie expression of Porcine beca-detensin-1."; PER Cecliar (24.37-40(1998);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sus scrofa (E.g.).
Bikarycco, Mcracoa, Chordata; Craniaia; Vertebrata; Euteleostoni;
Memralia; Eutheria, Cetartiodaciyla; Suina; Syidae; Sus.
KCB: Taxio982.
                                                                         Query Match 11.61, Score 79.5, 28 1, Length 64, etc. Best Local Sinitarity 42.14, Pred. No. 0.021, Marches 19, Conservative 2, Miserarches 19, Indela Marches 19, Conservative 2, Miserarches 19, Indela
                                                                                                                                                                                                                       : GIINTLOKYYCPVRGSRÇAVLSCLPKBECIGKCSTRGRKYOR 42
                                                                                                                                                                                                                                                                                                 24 GISNPLS---CPLNAGICVPIACPONIRQIGICFTPSVKCCR 62
    SEQUENCE 64 AA, 7126 MW, 7E8642AE6F7A6068 CRC64,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15.5Ec.1999 [Rel. 37, Created)
15.5Ec.1996 [Rel. 37, Last sequence update)
16.0Cc.2501 [Rel. 46, Last annotation update)
Rera-defensit i precursor (BD-1) [Defensin beta 1).
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R. TICEPPO. 189.0695. Detentin beta.

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STELL AROBOSE, AAG48035;
REMBLA AROBOSE, AAG48035;
REMBLA AROBOSE, AAG48034;
REMBLA AROBOSE, PRODUCES, DEFENSION BROWNERS, REMBLA AROBOSE, PRODUCES, PR
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MEDITALE-6604507 PubMed-8589529;
MEDITALE-6604507 PubMed-8589529;
MEDITALE-6604507 PubMed-8589529;
Sendant coll mapping of beta-defension genee to cattle synceinc group.
Mann. Sender 6:154-556(195)
Mann. Sender 6:154-556(195)
Mann. Sender 6:154-556(195)
MEDITALE-11 FUNCTION. MAS ANTIBATERIAL ACTIVITY (BOTENTIAL).

-1 TISSUE SPECIFICITY: INDUCTION EXPRESSED IN ENTERIC SPITHELIA.

-1 CEUGS.
                                                                                                                                                                                                                                                                                                      GADS
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Subsaryous Meuszas, Clordata, Craniata, Warrebrata, Suteleostert.

Butterina, Butteria, Cetartiodactyla; Ruminantia: Pecora, Borotthea

Govidee: Revisea, Bos.

(Fig. Taxino 9913).
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                                                                                                                                                                                                                  Obery March 32.04: Score 86: DB 1: Length 53; Beet Joed Smilarity 46.94: Pred. No. 3.07076: Marches 15: Conservative 3: Misracches 4; Inde's Marches 15: Conservative 3: Misracches 4; Inde's
BETA-DEFENSIN CT.
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34659DFJA0489F4A CRC64,
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ENTERIC RETA-DEFENSIN.
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01-NOV-1967 [Rel. 35, Created:
01-NOV-1967 [Rel. 35, Last sequence update)
15-CUL-1969 [Rel. 39, Last annotation update)
EBD:
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                                                                                                                                                                                                                                                                                                                                                                                                                                          20 CARKGGICILIRCPOPARQIGTOFGREVKCCR 51
16 53
20 49
27 42
32 50
53 AA; 5650 MK;
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64
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53
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DISULPID
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SEQUENCE
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WHOLENES PROX B.A. DENOGRIGHGEDZ;
WHOLENES PROX B.A. DENOGRIGHGEDZ;
WHOLENES STATISTICAL CHARGES C.R., Troyer D.,
Zhang G. Hiraha H., Yabue S. M. Wish Foss C.R., Troyer D.,
The denogricular and characterization of the gene for a new epithelia.
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0A4814948A3E337A CRC64,
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TITECT | ITTECT | ITTEL. 67:3542-3547(1959).

TO STRAIN-CTBL/6 | 129-350] and FVE: TISSUE=Lurg.

TISSUE 3PSCTPIOTY

AND AUGUS AND STRAIN-CTBL/6 | 129-350].

AND AUGUS AND AUGUS BASE | 120-30-30.

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TO STRAIN-CTBL/6 | 129-350].
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ADMINITED BY STANDARD, PRT; 64 AA.

ADMINITED BY STANDARD, 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Dasic residues; Signal.
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PLAT. 7FC711. Defensin mennel.
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Antibiotic: Cleavage or pair of basic response of the pair 
                                            SEQUENCE PROX N.A., FUNCTION, INDUCTION, AND TISSUE SPECIFICITY.
STRAINS-CREAGE, INSECTIONS.
MEDULNES-99107216: FubMed-103/m13/m
MEDULNES-99107216: FubMed-103/m13/m
MALDON 3. M MADR. M., Medgalla N.L., Mattler S., Weiner D.C., Nebls N.C., Mallows, Debended and Anthon 3. M. M. Medgalla N.L., Matthewson and Medical periode expressed in the epithelia of multiple organs."
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XX MEDLINE-9320364; PubMeds 8454635,
XX MEDLINE-9320364; PubMeds 8454643,
XX MEDLINE-9320364; PubMeds 84546464,
XX MEDLINE-942046,
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XX AUREUS 50204,
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XX AUREUS 60204,
XX MEDLINE-94304,
XX
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Enkaryota, Motatoa, Chordata, Craniata, Vortubrata, Euteleostoni;
Enkaryota, Motatoa, Chordata, Ceraticodaciyla; Puninantia, Pecora, Govoidea,
Bovidae, Bovinae, Bos.
..TI_TaxIDe9913;
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16-0CT-2001 (Rul. 40, Last Requence update)
16-0CT-2001 (Rul. 40, Last Requence update)
Bera-defensin 3 precursor (BD-3) (nBD-3).
Bera-defensin 3 precursor (BD-3) (nBD-3).
Bukaryota (Borazoa, Chordata, Craniata, Veriebrata; Euteleosion).
Mars rusunda (Brazoa, Chordata, Craniata, Veriebrata; Euteleosion).
Marshala Elihetza, Rodenija, Sciurognachi, Muridae; Musinae Mus
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SEQUENCE 38 AA: 4163 MF; ECBICBIC2974E3E7 CRC64;
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CHANGA 1
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11 CRVRGORCAVISCIPNEBQIGKOSTRGRACCR 42
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N ESCUENCE OF 3-64 FROM N.A.

X MEDINES-GEOLOSÉO: POUPOCASÉLISEI.

X MEDINES-GEOLOSÉO: POUPOCASÉLISEI.

R MUSSEII J.F. Dismond G. Tavver A.P., Scanlin T.F., Bevins C.L.,

R MUSSEII J.F., Dismond G. Tavver A.P., Scanlin T.F., Bevins C.L.,

T. GOOSTAINES enducion G. Tavoer A.P., Scanlin T.F., Bevins C.L.,

C. Constinate induction G. Tavoer A.P., Scanlin T.F., Bevins C.L.,

Infect. Immin. 64-155-1566.1996.

C. FINGLIO SECURIO. FOR SPECTRUM OF THE EPROSED EPITHELIAL SUPPACES

INCLIDING COMMITTIES.

C. FINGLIONE COMMITTIES. BERNAH. CLOM, URINARY TRACT AND TRACHEM.

C. STRILLARITY: BELONGS TO THE BETA-DEFENSIK FAMILY. LAF/TAP

SUBPARILY: BELONGS TO THE BETA-DEFENSIK FAMILY. LAF/TAP
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19.NOV.1955 (Rel. 12, Last sequence update:
16.0CT-2101 (Rel. 4), Last sequence update:
16.0CT-2101 (Rel. 4), Last ammetation update:
16.0CT-2101 (Rel. 4), Last ammetation update:
16.0CT-2101 (Rel. 4), Last ammetation update:
16.CT-2101 (Rel. 4), Last ammetation update:
17.CT-2101 (Rel. 4), Last ammetation update:
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STRAIN-BERSONS A. PabMed-SA-465% H.L. McGuire P.A., Novotny M.C.
Saita M., Henschen A.H., Cultor J.S.;
Schonwertor B.S., Stolzenborg E.D., Zasioff M.A.)
"Epithelial antibiotics induced at sites of inflammation.";
Science 267:1645-164811995;
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20 64 LINGUAL ANT WICKOBIAL PERTIDE
31 63 SY SIMILARITY
43 65 SY SIMILARITY
42 67 N SY SIMILARITY
50 SY SIMILARITY
51 SY SIMILARITY
64 AA: 7941 NW: BEZGEDA1692EFFF CRC64;
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SECURICAL STATEMENT OF THE EMBL/General/Orb. databases.

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- FINCTION: HAS ANTHARATERIAL ACTIVITY. IN VIEW CAGINEY ESCHERICHLA FOULL. STAMFHY-CONCURS ALBERTELLA PRESENTA AND PSECUROMOHAS ARRIVATES. HALDOTTON. THE ESTITE IS ACTIVE AGAINST CANDIDA ALBICANS. INCLORNING A PHACE SECTION OF ACTIVITY.

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           use by non-profit institutions as long as its content is in no way modified and this statement is not recoved. Tage by and fire connectast entities requires a license annotation (see hitp.//www.isb-sib.cn/announce) or send an erail to licensewisb-sib.ch).
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-- FINCTION: HAS BACTERICIDAL ACTIVITY. ACTIVE AGAINST E.CCI. MINE
AND S. MERES. 902A.
-- TISSUE SPECIFICITY: NEUTPOPHILIC GRANUES.
-- SIMILARIY: BELONGS TO THE BETA-DRESSIP FANILY.
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MENTAGE SECTED SECTION MESSEL MESSEL
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Eukaryona - Metarca (Orothera Cranista) Vertebrata, Eureinostini)
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MEDLINSEASSIGNES, Pubved=2745981,

MEDLINSEASSIGNES, Pubved=2745981,

The structure of the tabrit macrophage defensin genes and their organ-specific expression. "

(Incomp. #181.1386-1386(1989)
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D1-2007, NRC 11, Jast Germence update

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OCTICOSTALIN THE PRODUCE (D5.111) (Macrophage antibiotic pepunde

NGC-11 NRC-11 (Antiadernovoricotropin pepude 111).

NGC-11 NRC-12 (Antiadernovoricotropin pepude 111).

E-Marycas Merazoa (DcTata, Ctaniata) Vertebrata, Eureleosion;

NGG1, PALD-13, Lugororpha, Leporidae, Cryctolagus.
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MEDIMERAGOST, PubMedef613497;
Selsted N E. Krown D W., Colange R.C., Lehren R.L.);
Finnery structures of MPP-1 and MCP-2, matural poptide actibiotics
of rabbis Lung macrophages ":
Elot. Chem. 158214495-14499/1993).
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27.34. Score 63.5. EB.1. Length 45.
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Machael 14. Conservative 4. Mismatches 15. Indels
11 30 BY SIMILARITY.
18 37 BY SIMILARITY.
45 NA: 5202 MW: 8A12DD3B42A5DF3A CRC64;
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        This SWISS-PRCT entry is copyright. It is produced through a collaboration between the Swiss institute of Boonformatics and the Emet of Swisser the Emergent and the Emergent the Swisser institutions as long means and the Emet of Swisser to the Emergent Swisser to content is incompleted and this statement is not removed Usage Ey and for content is not conformed to content is not conformed to conformed the entities requires a license agreement (see Ntp)//www.isbb.cl/sancounce/conformed the Emet. And Swisser is not tense as so the Emet of Swisser in the Swisser in the Conformed to the Emet of Swisser in the Conformed to the Emergent Interpretation of the 
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TO 1.9MR.1992 (R01. 21, Created)

DT 28-FEB-2C)3 (Rel. 41, last sequence update)

EMOCONA (CAM-COAN)

SO CYCLALUS addanteus (Enstern diamondhank rathiesnake).

CE UNARTOGRA (PREZOU COMPLETE (Enstern Complete rathiesnake).

CE UNARTOGRA (SAME RESULT COMPLETE RATHIESNAKE).

CO Unpridae (Crealinae: Crealinae: Selecolossa, Serpentes; Coluntoidea).

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Search completed, October 27, 2063, 14:52:18
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Mannalia: Eutheria; Cerartiodactyla; Ruminantia: Pecora; Bovoiden:
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Matches 13, Conservative 2, Mismatches 17, Indels
Matches 13, Conservative 2, Mismatches 17, Indels
R EMBL, W2683; AAA1387.1; -. BMRB, W2683; AAA1387.1; -. BMRB, W267072, AAA1385.1; -. BMRB, W267072, AAA1385.1; -. BMRB, W267072, AAA1385.1; -. BMRB, W267072, AAA1385.1; -. BMRB, W2670509.00 Defensin_marma.

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AC F46166.
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01-OTT-2002 (TERMBITE). 25, Last annotation update)
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03-101/03 (Qallus (Thorposphide.
03-101/03 (Qallus (Thorposphide.
04-MICHORALYOCA) Mercara (Chordata) Craniala; Vertebrata, Burejeckhoff;
03-101/03 ANER, Neognathae; Gallifortes; Phasianidae; Phasianinae;
03-101/03 (Marchaeles));
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Kakatyona, Metanoa, Chordana, Cranista, Vertebsato; Eureleosion):
Marmalia, Eurekria, Primatos; Catarkhini, Mominidae, Pan
NCE_TRAID=99599;
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Submitted (HAY.-2001) to the EMBL/SenBank/DEBJ databases.

EMBL, AVG13881 AAK51849.1.

Interpret PREG01851 CefenSin beta
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Matches 17, Conservative 2; Mismatches 13, Indels 1
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GARSES, CARSES, CEATED, 22, Created)
CLOCT-200 (TEXBLEE; 22, Last sequence update)
CLOCT-200 (TEXBLEE; 23, Last sequence update)
Defense beta 1:4 (Fragrenci; 23, Last amoration update)
Defense; beta 1:4 (Fragrenci; 23, Last amoration update)
Defense; beta 1:4 (Fragrenci; 24, Last amoration update)
More septem (Huran;
Rivaryotis, Metapa; Cordata; Craniata; Verrebraia; Eule; esstom;
More 1:4 (Fragrenci; Primates; Catarthin; Mominidae; Homo.
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C1-MAY-203 (TrENBLIG. 13) Jast annotation update)
Rena defension 2 precursor.
Rena defension 2 precursor.
Busaryota, Metazea, Concidata, Craniata, Verrebrata, Euteleostori;
Busaryota, Metazea, Concidata, Craniata, Verrebrata, Euteleostori;
Mornalia, Eutheria, Cetatiodacryla; Ruminantia; Peccra; Boyoldea, MCRI-Tax10, 9918;
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REGISTE OBJECTS OF QUILLIA N. HAYASHI M.A.F., Camargo M.B., Srego K.,
Radio Baptista Organiza (Fama T.,
"Michaolida sequence of crotamine isoform precursors from a single
South American rarialsmake (Crotalius durisbus terrificus).",
Cancon 371-714-794-1999)
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OR 13: Length 65; Local Similarity 18:39; Pred. 30: 0. (1.08). (1.08). (2.08). (2.08). (3.08). (3.08). (3.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). (4.08). 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C. (CN-203 (TEXMIRE) 21, Last sequence update)
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C. (C. 102-203 (TEXMIRE) 21, Last annotation update)
C. (C. 102-203 (TEXMIRE) 21, Condita; Cranana Ververrata; Euleicesten)
C. (C. 102-203 (TEXMIRE) 21, Condita; Cranana (TEXMIRE) 21, Condita; Contrata; C. (C. 102-203 (TEXMIRE) 21, C. (C. 102-203
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ENDER AF109655. AAP2C1S4.1).

INCEPTO: IRROADES. Defensing Deta InterPro: IRROADES. Defensing Tammal InterPro: IRROADES. Defensing Tammal Forty. PRO7011: Defensing Tammal SWART. SWOODIS. DEFENSING DETA-M. D
                                                MEDLING_20002622; PubMcd_10531236; Zhao C., Rrogden K., Lehrer R.L.; Zhao C., Ndyen T., Liu L., Shamova C., Rrogden K., Lehrer R.L.; Ulfferential expression of captine bria-defensing in digestive and respiratory tissues:
Infect ... Annu. 67621-6214193).
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Bukaryota, Mctazoa, Chordata, Ctaniata, Vetrebrata, Eurelecstonii.
Mammaila, Eutheria; Primates: Catarrhini; Horinidae; Pan.
NCBI_TaxiD=9596;
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Crossed:

O1-XMY-200 (TEXPERING) 13. Last sequence update)

C1-COT-2012 (TEXPERING) 12. Last smoktaion update)

C2-COT-3012 (TEXPERING) 12. Last smoktaion update)

C2-COT-3012 (TEXPERING) 12. Last smoktaion ratificantee)

Euranyo 14. Per 2012 (Dordaka Carailata Verbéraia Dirakosumi, Viperidae Corealinas Callecopines and Scheoopines (Ciunicides)
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                                                                     Opery Match 27.28: Score 68, CB 6, Length 64, Bert Local Similarity 36.44: Pred. No. (1936) Macches 12, Conservative 5, Misratches 16, Indels Matches 12, Conservative 5, Misratches 16, Indels
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OL.9AY-2003 (TYEMBLEE), 13, Last sequence update)
OL-6CT-2002 (TYEMBLYE), 22, Last annotation update)
Beta-defensin-2.
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Ference additional Muran).
Eukaryofa: Metalca: Dordana: Craniata, Verfebrata: Eukeleodromi:
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Bikanyota, Mehana, Chordara: Craniata, Verrebrata: Buteleoscom:
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                                                                        Indels
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C1-CDV-2002 (TERBLE), 21 last requence update)
C1-CAD-2003 (TERBLE), 23 last ambiation update)
DEPP.
Best Local Similarity 36:1%; Fred. No. 0.16;
Matches 13; Conservative 4; Mismatches 16;
                                                                                                                                                          1) CRVRGGRCAVLS - CLFKEEQIGKCSTFGR - KCCRR 43
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MEDINE-S914-847, PubMed-10484746;

MEDINE-S914-847, PubMed-10484746;

MEDINE-S914-847, PubMed-10484746;

Radis-Responded G. Ogusina N., Hayashi M.A., Camargo M.E., Grego K.F.,

Sollve-are E. B., Yamare T.;

"Nucleotide sequence of crocanine isoform precursors from a single
South American ratitiesnake (Crocanine isoform precursors from a single
South American ratitiesnake (Crocanine isoform precursors).";

FORGOR 1787-981(1997).

PRINTE, PROGS-99, WYCOXINS, I.

PRINTE, PROGS-99, WYCOXINS, I.

PROGS-1287-WYCOXINS, I.

PROSITE: PSOC459, MYCOXINS; I.
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25.41, Score 3.5; DB 13; Length 64;
Beet Loop, C.15;
Macches 3; Conservative 4; Mismatches 56; Indels 3; Gaps-Macches 13; Conservative 15.
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01.400-1996 (TREMBLIE). 77, Last sequence update).
Croclander.
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Eukaryota Mezatoa: Ciordata: Cranista Vortebrata: Eureleostoni::
(Epidogauria: Squamata: Solaroglossa: Serpentes; Chiubroides;
Viperidae: Crotalinae: Crotalius.
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01-003-1998 (Prevente), 05. Jast sequence update)
(Cl-DEC-2001 (Prevente), 13. Jast annotation update)
Grotamine premirsor.
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APPLICANT. SCHROSE. JENS.
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FILE REFERENCE 5CH.181.8
COPERN PAPLICATION HARA.
COPERN PAPLICATION AND SEG. 02.05.58
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    Sequence 2, Appl. Sequence 2, Appl. Sequence 4, Appl. Sequence 5, 
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                                    GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compagen Ltd.
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Best Local Similarity 91.11; Pred. No. 4.65-6.9; 
Marches 41: Conservative 6; Maranaches 4; Indela Ranaches 4: Conservative 6; Maranaches 6; Mar
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Described Sinilarity 10.04, Fred No. 138-23, Anaches 41, Optservative 9, Nishatches 6, Indels
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PRIOR APPLICATION NIMBER: 66/355,335
PRIOR FILLY 377E, 1997-10-59
PRIOR FILLY 377E, 1997-10-59
PRIOR PAPLICATION NIMBER: 65/364.294
PRIOR FILLY 37E, 1997-10-54
PRIOR FILLY 37E, 1997-10-54
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175-09-636-199A-4)
- Squerco 43, Application CR/09636499A
- Parent No. 65-8695
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US-C9-516-398A-41
Sequence 41, Application US/C9636399A
Patent No. 6576785
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US-39-636-399A-10

US-39-636-399A-10

Sequence 13. Application US/C9636195A

PRELET NO. 65755

GREEAL INFORMATION:

APPLICANT: Acler, David A.

APPLICANT: Acler, David A.

APPLICANT: Baindir, Nard
APPLICANT: Shegpard, Paul C.

UNDER: PRESENCE: D-44CD Paul C.

UNDER: APPLICATION NUMBER: US/S9/615, 199A

CUMPREY: APPLICATION NUMBER: US/S9/615, 199A

CUMPREY: APPLICATION NUMBER: C.

PRICE FILING DAFE: 1200-120-16

PRICE FILING DAF
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Perein NO. <u>Application</u>
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                                                                                                          199 49 436.3
        LENGTH: 67
TYPE: PRT
CRGANISM: Homo sapiens
US-39-536-399A-10
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US-C9-636-399A-2
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94.545 Score 224, DB 4, Length 47;

94.51 Peet Local Similarity 91.18 Pred, No. 4.98-05,

Marches 41, Conservative (; Mismitches 4, Indele
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Best Local Statistity 91.19 Pred. No. 4.96-0.0.
Matches 4: Chaservative 7. Mismatches 4: Indels
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TILE OF INVENTION NOVEL BETA DEPENSINS FILE SPERRENCE 97-44C.

GREAT APPLICATION NOVER. US/09/036, 393A CHREAT FILMS DATE: 1000-06-1C.

FRICK APPLICATION NUMBER: 69/036, 335
FRICK PELING LATE: 1997-10.90
FRICK FILING LATE: 1997-10.90
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5-35-66-193A-35
Service 55. Application 78/19636393A
Fater: No. 6578755
FREET: No. 6578755
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US-C9-436-399A 37
- Sequence 37. Application US/05636399A
- Parent No. 6576755
US-09-636-399A-39
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CRANIAN: ATLATICIAL Sequence
FEATURE:
COTHER INFORMATION: Defensin polypupride
NAME/CRT: VARIANT
LOCATION: 142: ... (42)
OTHER INFORMATION: Xan is Let, lie, Phe, Val, or Mer
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NAME/KEY: VARIANT

LOCATION: (43): (43)

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193-05-58-1994-19
193-09-618-1994-19
Retent No. 65775-8
TILLE CT. INVENTION: NOMER: 05709-8-10
RETOR APPLICATION: NOMER: 05709-8-10
RETOR APPLICATION NUMBER: 0570-8-10
RETOR PRICK TILLS 199-1-0-9
RETOR PRICK NUMBER: 0570-8-10
RETOR PRICK PRICK NUMBER: 0570-8-10
RETOR NUMBER: 0580-10
RETOR NUMB
                 APPLICANT: Adier, David A. APPLICANT: Holyleay, Dames J. APPLICANT: Holyleay, Dames J. APPLICANT: Holyleay, Dames J. APPLICANT: Bandur, Nand APPLICANT: Bandur, Nand APPLICANT: Bandur, Nand APPLICANT: Sheppard Pall C. Stephanie APPLICANT: Sheppard Pall C. BETA-DEFENSINS FILE REFERENCE: 97-44C2
CURRENT FILING DATE: 99-16-79
PRICE FILING DATE: 99-16-70
NUMBER OF SEQ IO NOS: 72-80-10
NUMBER OF 
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CRGANISM: Artificial Sequence
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Ounty Match 6161, Score 279, DB 4; Length 45; Petel Local Statistity of 94, Pred No. 1, 96-19, Matchia Matchia 4; Conservative (; Misharches 4; Indois
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Ber Local Similarity 9:1:1; Pred: No. 5e 79:
Marches 4: Conservative 0; Mismatches 4: Indels
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NAME/KEY: VARIANT.
LOADTION: 45: ...(45)
CTHER INFORMATION: Xaa is Let, lie, Val. Fibe, Gr Met.
US-09-616-199A-15
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PRICE FLING OATE: 1988-09,10
PRICE FLING OATE: 1988-09,10
PRICE FLING OATE: 200-09,10
NUMBER 05 EV 10 NOS: 72
SOFTHARE: FREESO for Windows Verkion 3.0
LENGTH 49
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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FIERERANCE 97.44C.2
CURRENT APPLICATION NUMBER: US/09/636,399A
CURRENT FILING DATE: 200-06-10
FRICK APPLICATION NUMBER: 69/056,335
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FRICK APPLICATION NUMBER: 69/056,335
FRICK APPLICATION NUMBER: 69/056,335
FRICK APPLICATION NUMBER: 09/056,294
FRICK APPLICATION NUMBER: 09/036,386
FRICK APPLICATION NUMBER: 09/ Type: PRC ORGANISM Artificial Seguenco ORGANISM Artificial Seguenco COTHER INCOMATION: Defensin polypeptide NAME/NET VARIANT (1931)

Query Match
Best Local Smilarity 2009, Pred No. 1.98-4), Length 44,
Best Local Smilarity 2009, Pred No. 1.98-19,
MacDes 40, Dorservative 9, Mismatches 4; Indels

1 GIINTLOKYYCRVRGGRCAVISCLPKEEDIGKCGTRGRKCCBRK 44 

RESULT 1: US-09-616-199A-42 : Segmence 42, Application US/09636399A

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Bist Local Sinitarity 90:94, Pred. No. 2.18-15, Indels
Harches 40, Conservative 7, Misnatches 4, Indels
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PRIOR FILLNG DATE: 1897-11-05
PRIOR APPLICATION NOMERS: 096-09-10
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195.0-666.1954.
Sequence 20. Application US/C36163994.
Pacers No 5976.4.
PAPLICAN: Address: 3aves A.
APPLICAN: ACIDOMA; James L.
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FRATURES AND SERVICE OF SERVICE AND 
                   . CTHER INFORMATION: Xaa is Let. 11c. Phe. Val. or Met. US-09-636-399A-40
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US 09-616-199A-18
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APPLICANT SERBELOWS NO. 3068 L
APPLICANT SERBELOWS NO. 2000.64.10
FILE REFERENCE: 97-44C2
CURRENT PLING DATE: 199-10.09
FROM PRELIAND NAMBER: 65/056.395
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US-19-636-195A-18
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CURRENT FILING DATE: 1200-0911
PRIOR FILING DATE: 1200-0911
PRIOR FILING DATE: 1397-13-09
PRIOR APPLICATION NUMBER 10/064.294
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SAP-2, SAP-3, human, anthiotic, antihacterial, antifungal, antivital, treatment, nicrobial infection, wound diessing, diagnostic reagent.
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XX SAP-2, SAP-1; human antibiotic; a
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Copyright (c) 1993 × 2003 Corpugen Ltd.
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                                                                                                                               This invention describes the novel active, nature human proteins (1) SAP-2 and SAP-) which have antibuted statish, antibus, and SAP-1 and SAP-1 and should be antibuted the same of preventing indepolal, infections (caused by hatheria, fungator viruses) particularly where they for human cells expressing the included in wound desemblys, and to produce specific antibodies (Ab) or their fragments. As are used as diagnostic segents, e.g. to check a deficiency of (1) or the presence of a (1) variant. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to human beta-defensin-3 (BSC 3) and its defertatives. The peptine, its coling degence and vuctors contraining the coding sequence and vuctors contraining the coding sequence are useful in (genet therapy and diagnosis. especially for preventing or treating a wide range of nucrobial infections (particularly Burkholderia copacia and Pseudonous accusance in the respiratory tract. especially in cases of cystic fibrosis, and Helicobacter pylori, also inflammatory diseases of the gastronientinal and unogenital tracts, sepsis and yeast infections; and for inducting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New human beta-defensin 3, useful for treating or preventing midrobial infection and tumors, also related nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match 10c.0k; Score 25C; DB 2; Length 45; Best Local Similarity 10c.0k; Pred. No. 1.8-2; Similarity 10c.0k; Pred. No. 1.8-2; Onservative 3; Mismatches 0; Tindels 0; Gaps
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respiratory system; cystic (itrosis) inflammation; urgenital tract,
antibacterial; fungicide, cytostatic, antiinflammaticy, antiline;
sastrointestinal tract; septicaemia; approcais induction, cancer.
infections, particularly when incorporated in wound diessings, also related nucleic acid.
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Maegert H.
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                                                                                    Claim 1, Page 37, 41pp; German.
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30-MAR-2001, 2001DE-1016220
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (IPFP-) IPF PHARM CMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-415959/46
                                                                                                                                                                                                                                                                                                                                                                                                                   Seguence 45 AA;
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                                                                                                                                                                                                                                                                                                                                                                    invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New Buran Reta-defensin i geptides and mucleuc acids ercoding peptides.
useful for insating or preventing microbial growth or infection, or in
grow therapy
                                                                                                                                                                                                                                                 Saps
apoptions for treating malignant melanoma and tumours. The present sequence is a derivative of numan BD-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ċ
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Rest Local Similarity 100.0%; Pred. No. 13e-23; Length 45; Rest Local Similarity 100.0%; Pred. No. 13e-23; Andrews 4; Genservalive 6; Mismarches 9; Indels (
                                                                                                                                                                                ch. 10. Gl. Score 20. DB 23. Length 45. 1. Stributty 10. Ct. Pred No. 1.3e-23. 1. dels S. Constvative C. Mismatches G. Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human, antiniciobial petilde, human beta-defensio-3, HBD-3,
microbial growth; microbial infection, pulmonary infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GIINTIGRYNCBVRGBRCAVLSCJEKBEOIGKGSTRGRKCCRRKK 45
                                                                                                                                                                                                                                                                                                             . GINTLGYYCENFOSPIANLSCLEKEBOIGKOSTRORKORRKK 45
. GINTLGYYCENFOSPIANLSCLEKEBOIGKOSTRORKORRKK 45
. GINTLGYYCENFOSPIANLSCLEKEBOIGKOSTRORKORRKK 45
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human beta-defensin-3 (HBC 3) mature protein sequence #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            McCray PB, Tack B, Jia HP, Schutte BC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 29; Page 98; liCpp: English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU09709 standard, Protein, 45 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26-NAR-2002 (first entry-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WFI; 2002-106302/14.
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                                                                                                          Sequence 45 AA;
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This invention describes the novel active, mature kinean proteins (1) SAP-2 and SAP-1 which have antitabotto; antibacterial, antifungal and antivital activity. (1) and their precursors, are useful for treation or preventing microbial infoctions (analosed by bacterial, fund) or included any antibactors (analosed by bacterial, fund) or included in wound dreschings, and to produce specific antibactors (Ab) or that fragments. Ab are used as diagnostic reagents, eg. 10 doi:or additional produced and the presence of a (1) variant. This sequence imperiors the kinean SAP-3 protein described in the method of the abundance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human: leta-defenain-), IRD-), banterial infection: gene thorapy,
respiratory system; cysl:0 [bross: inf.ammalon, urogental tract;
antibacterial; fungicide, cycstatic; antiinflammatory; antibicer;
ysserpinestink tract; septimaera; apoptosas induction, cancer.
                                                                                                                                                                                                                                                                                    New human artificott peptides, unefül tor treating microbia?
infections, particularly when incorporated in wound dressinge, also
traised mothers acid
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10.44- Score 250: DB 21: Length 50:
Mach Local Similarity 10.54- Pred No. 2e 23:
Machael HS, Omservative C. Masmaches 0: Indels 0:
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1 GINTLOKYYENESORONIGLDRESGOSKORGREKKUSEKK 67

2 GINTLOKYYENESORONIGLDRESGOSKORGREKKUSEKK 67
                                                                                                                                                                                                          Christophers E, Harder J, Schroeder J:
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30-MAR-2001, 20010E-101622
                                                                                           11-858 2000; 2000WO-580076.
                                                                                                                         C1-FER-1997, 99DE-1005128.
C8-0CT-1099, 99DE-1049436.
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N-PSDB; AAA11755
                                                                                                                                                                          (SCHO ) SCHERING AG.
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                             W0200540248-A2
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Homo suprens
                                                             10 AUG-2000.
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AAO17768
ID AAC17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This sequence represents the human rampl protein which is a methor of the bear-defension protein tarily. Amoph protein as useful as a pharakeutical composition, useful for treatment of e.g. bacterial, turnal and viral infections. They are also useful pro-inflammators, for treatment chronic tissue damage, and for stimulating the inflammators. for treatment chronic tissue damage, and for stimulating the inflammators. for treatment of NIOs or Chemotherapy patients. Zampl pulypeptides and antitodies are useful culture, and studying cytocida, activity against marmian than in cell culture, by includation with the calls. Zampl polypeptides are especially useful for studying epithelial defensa induction in cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SAP-2, SAP-3, numan, antibictic, antibacterial: antifungal: antiviral:
treatment; microbial infection: wound dressing: diagnostic reagent.
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                                                                                                      Human, zampl, beta-detensin; Bacterium füngus; virus; inflamtation,
tissue damage, immune response, Alis, Gherofurspy; nolamocottin.
antibody; ion flux; cytocidal activity; hammaliam cell.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New tampl polypeptine and polynucleounde. Funan beta-defensins useful as diagnostic feasents and for treatment of microbia. Infections, and Albs.
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97US-0058335.
97US-0926529.
97US-0064294.
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                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                          (ZYMO ) ZYMOGENETICS INC
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N-PSDB; AAX29986.
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10-SEP-1997;
10-SEP-1997;
05-NOV-1997;
                                            66-301-1999
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Forsmann W. Klunver E. Conejo-Garcia J. Ademann K. Bais R. Medgert H.

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The present invention relates to huran beta-defensing this beta defensing the derivatives. The peptide, its consing sequence and vectors constituted the constituted that decembers are useful, in igen, therapy and diagnosis, especially for preventing or trasting a vide state of nicrobial infections (particularly discharge are repairs and securiors or tract, especially in ease of cystic (throsis, and Helicobattor pylori, also inflammatory disparses of the gastroins and uncommital tracts, especially making and yeart infections, and for influency appropriate for treating malignant metallicially disparses of the gastroins expenses to the cash for influency expenses in a disputor of the cash of the man politic man and innours the present
                                                                                                                                                                                                New human beta-defensin 3, useful for treating or preventing midrublal infection and cumors, also related nucloic acid
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celi sufface receptor Dinding compound Nidey transplant;
artdopegia, organ transplant, transplant Photition defension
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .co (0.97) Score 286; DB 21; Length 67; 18 Similarity (0.04) Pred. No. 29-23; 19 Similarity (0.98) Nishasches (0.98) Indels (0.98) Conservative (0.98) Indels (0.98)
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                                                                                                                                                                                                                                                                                                               Claim 2; Page 23; 36pp; German.
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17-NOV-2000: 2000US-249602P
15-MAY-2001: 2011US-290932P
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                                                                                                                                 WPI; 2002-435959746.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 67 AA.
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Best Local S.
Matches 45
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ANUSTRIAN

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X44X4X4FEX4X666666666688X8
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receptor binding compounds. The media is Lapable of extending the present in principle of St. Pours and can provide organs with increased throughout principle and in the receiving kidneys stored in the red and of the present invention for either three or four ladys had central creations of the present invention for either three or four ladys had central creations where the present in the formation of the present control annuals are desirable of those observed in control annuals and an amount of the present control annuals. The red in the notion of the provide of the proposes of the inspect of the provide of the intention of the provide of the provide of the provide of the provide of the relate of the creating transplant in proceedings of the provide of the relate of the relat
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Transplant, Aminocrobial peptide; pore forming agent;
cell surface receptor. Enthing compound, kidney transplant;
cardiculhegia, organ transplant, transplant repection, defension.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  O.O.CY MATCH (1917-14) STORE SECTION 21: Length 67: Best Local SINITATY (100-0) Pred No. 28-29. March Marches 45: Chrestwathe 1: Maranches 9, Indels Marches 45: Chrestwathe 1: Maranches 9, Indels
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17-NCV-2000: 2000G-249602P.
15-MAY-2001: 2001US-290932P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 67 AA;
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                                                                                                                                                             ANYOTARA ELUMENTO FREEDEN GENERAL ANYOTARA ELUMENTO FILE CANTON OF LANGE CONTROL CANTON OF LANGE CONTR
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alone. Lower gerum creationical levels are indicative of healthies kinneys and a more preferable prognoss (or the transplant partient. The result of the investion are useful for decreasing transplant and for sowering the legislated for sowering the decayed grant functions are received to the control of the mode. The result middle transplanted functions are such as carriagles as a ratio prognal for some prognal for the control of the cont
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New human beta defensin i populdes and nucleic acids encoding populdes, useful for treating or preventing miscrobial growth or infection, or in gene therapy.
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                                                                                                                                                                                                                                                                                                                                                                                                Cuery Match: 100.0%, Score 50, 13.2%; Length 40*
Best Local Similarity 100.0%; Fred No. 2e-23; Length 40*
Matches 45; Conservative 0, Missarches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human, antinicrobial peptide: buman beta-defensin-3, HBD-3, microbial growth; microbial infection; pulmonary infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human beta-defensin-3 (HBD-3)
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N-PSDE; AAS14407.
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This sequence represents the human zampl protein which is a member of the bord-defental base pharmaceutical bord-defentival bord-defentival bord-defentival bord-defentival bord-defentival fundal and viral infections. They are also useful pro-inflammators, for treating chronic tissue damage, and for situation for inflammators. For treating chronic tissue damage, and for situations to immune response, for treating classified or cherotherapy patients. Zampl polypoptides and antibodies are useful for studying optionation with the cells in culture, by incobation with the cells. Zampl polypoptides are expectally useful for studying epithelial defensin induction in cell culture when exposed to standard standard.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Huran, zampi, buta-defensin, Bacterium, fungus; virus, inflammation:
Elseva dange: maria response ALSS cherofactapy melanocortin.
antibopy, lot flux; oylosidal activity; hamrahan cell.
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useful as diagnosic reagents and for treatment of nicrobial
infections, and AlDS
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| GILNILGKYYCRYPGROACAVISCLPREEGIGKCSTRORKCCRRK 45
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The present invention relates to human beta-defensing (RBD-1) and its derivatives. The peptide, its coling sequence and vectors constanting the confine sequence and vectors constanting the confine sequence are useful in igene therety and diagnosis, especially (or preventing or treathing a wind range of misroblal infections (particularly Rangines and preventing or treathing a wind sequence as divisited forces in the Heliocobactor protein are also inflammatory diseases of the gastroinfesting and unremnial treats, sepois and yeset infections, and for inflammatory diseases of the gastroinfesting appoints in for inflammatory diseases, and tronger infecting expenses in an inflammatory diseases.
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                                                                                                                                                                                                                                                                                                                                         New human beta-defensin 3, useful for treating or preventing ficrobial infection and tumors, also related nucleic acid.
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                                                                                                                                                                                     Bals R;
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                                                                                                                                                                Forsinann W., Kluever E., Conejo-Galoia J., Ademann K.,
Maegert H.
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31-MAP-2001: 20010B 1016220.
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                            14-NOV-2000; 2000DE 1056365
30-MAR-2001; Z001DE-1016220.
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                                                                                                                   HERE HARM GARE
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Modified-site
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AAO1775
AAO1
X##X#X###X#X###X#X#X##
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to the isolation of a novel artinizable perfect broad best defending 1885-15. Also described its method of inhibiting growth one affection by mondouring money has a certain and a mistoring from the perfect of the inventor in the peptide is useful. For the ingentions when administered by inhibiting in the peptide can be applied on a work suitage or a suggested inscribed inscribed in an administered by inhibiting the peptide can be applied on a work suitage or a suggested inscribed inscribed in a proceeding and on a work of increase in growth. The present of miscobial status and a proceeding the present of miscobial growth. The present of miscobial growth.
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                                                                                                                                                    Human, antiniczobiał peptide, human beta-defensin-3, HBU-3;
microbiał grownb, microbial infection, pulmonary infection.
                                                                                          Human beta-defensin-3 (HED-3) mature protein sequence #1
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                                (first entry)
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                                                                                                                                                                                                                                                  Homo saprens.
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Human beta-defensin hBD-6 peptide fragment #2.
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                                                                                                                                                                                                                                                                                                                 Seguence 31 AA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 19
52249576
ID 5238
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention describes novel peptices (I) of the determin type which have ambiaccerial, antichettility and contraceptive activity and which can be used for peptic foreign (I), and their derivatives of fragments, are used; i) to item Datterial infections, particularly of
                                                                                                                                                                                          The prosent invertion relates to human beta-defensin-1 (HBO-1) and his detrivatives. The peptude, its coding sequence and vectors containing the coding sequence and vectors containing the coding sequence and vectors are useful. In (gene, therapy and diagnosis, especially for preventing or traviting and tentage of nurchold infections (particularly Buckholderia cepacia and respiratory trace, especially in cases of systic (Erbosis, and Hellocobacter plydis, also inflammatory diseases of the assistance and unogenical trace, eepis and yeast infections; and for indusing sequence is furnished.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New defensin type peptides useful for tranteent of bacterial infertions and for fertility control, and as a diagnostic marker of infiantatory disease in epithelial organs.
                                                                                        New human behandefensin 3, useful for treating or preventing micropial infection and numers, also relained nucleic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.00 mg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Defensin, human, antibacterial, antiinfertility, contrareptivo, peptide therapy; infection; gastrointestinal, respiratory tract: urogential tract; skin, gland; sperm penetration; systemic disease, infertility; opern inidetion; sperm maturatior; disease, inflammatory disease, epithelial organ; gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 70 84; Score 17; CR 23; Length 11; Best Local Similarity 10; Mr. Pred. No. 3+13; Mr. Mitches 31; Ginedrative C: Mishatches 0; Indels Mitches 13; Ginedrative C: Mishatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human beta-defensin hBD-5 peptide fragment #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 CRYRGGRCAVLSCLPKBEGIGKCSTRGRKCC 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CRVEGGROAVLSCLPKSECISKOSTROFKOG 30
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                                                                                                                                                        Claim 1, Page 23; 36pp: German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11-3UL-2001, 2001WO-EP07973.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11-JUL-2000; 2000DE-1033505
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                                       WFI: 2002-435959/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 31 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAM4 3572;
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AAA49977 1
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the gastrointeetinal, respiratory or urogenital tracts, or of the skin and associated dynamic diseases associated with over expression or deficienty of defending production, particularly a softential or yeasing (1-specific anticulates). In 10 treat infortality aspecially where the troubt of disordered sperin predaction or naturation, also as contradeptives, and (1) as a disposit nature of informatory disease, in epithelial organs. Both original activation or naturation, also so contradeptives, and (1) as a disposit nature of this memory disease, in epithelial organs. Both original activation of an electrical organs of contradeptions biological activity and since that do our induce an immuse response, they are particularly well suited for long-term use. This sequence represents a binamic described in the discission of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 70.8% Score 177, UB 23; Length 31;
Berc Local Similarity 105.0% Pred. No. 984.187
Matchen 31; Conservative 7; Misharches 0; Indois
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Cc marker of inflammatory disease in epithelial organs. Both chronic and cc marker of inflammatory disease in principle of the content disease may be treated, e.g. in innersive care. Also genes that c emode (i) can be used for systemic of localised gene therapy of the CC specified diseases, in epithelial tissues or organs. (i) have exceptioned to be be particularly and since they do not induce an impure response, they are particularly well surted for long-term use. This sequence response, they can are particularly well surted for long-term use. This sequence represents XX sequence 11 AA:
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Saps Cuery Match 70.8%; Score 177; DB 23; Length 31; Best Local Similarity 100.0%; Fred. Mo. 96-15; Matches 31; Conservative 3; Mismatches C; Indols C;

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Search completed: October 27, 2003, 14.53:06 Job time : 43 secs